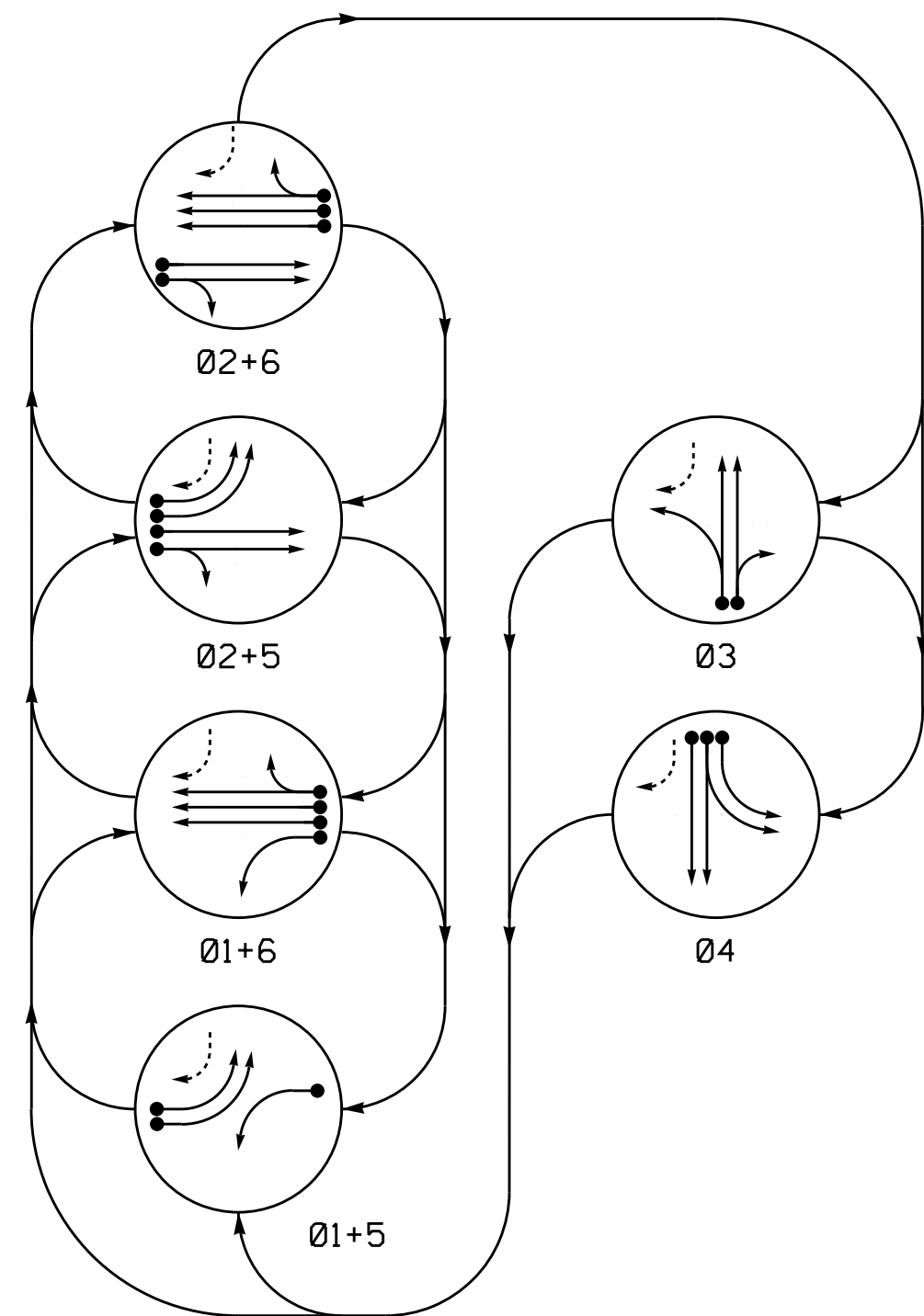


PHASING DIAGRAM



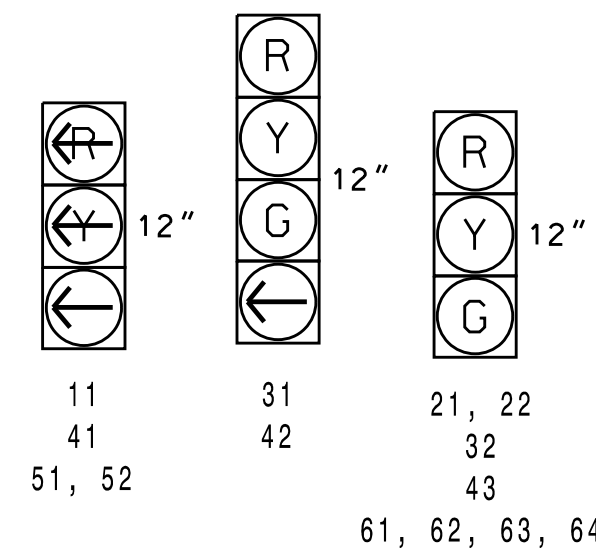
PHASING DIAGRAM DETECTION LEGEND

- ← ● → DETECTED MOVEMENT
- ← ○ → UNDETECTED MOVEMENT (OVERLAP)
- ← ○ → UNSIGNALIZED MOVEMENT
- ← ○ → PEDESTRIAN MOVEMENT

TABLE OF OPERATION

SIGNAL FACE	PHASE					
	01+5	02+5	03	04	05	06
11	←	←	←	←	←	←
21, 22	R	R	G	G	R	R
31	←	←	←	←	G	←
32	R	R	R	R	G	R
41	R	R	R	R	←	R
42	R	R	R	R	R	G
43	R	R	R	R	R	G
51, 52	←	←	←	←	←	←
61, 62, 63, 64	R	G	R	G	R	R

SIGNAL FACE I.D.
All Heads L.E.D.



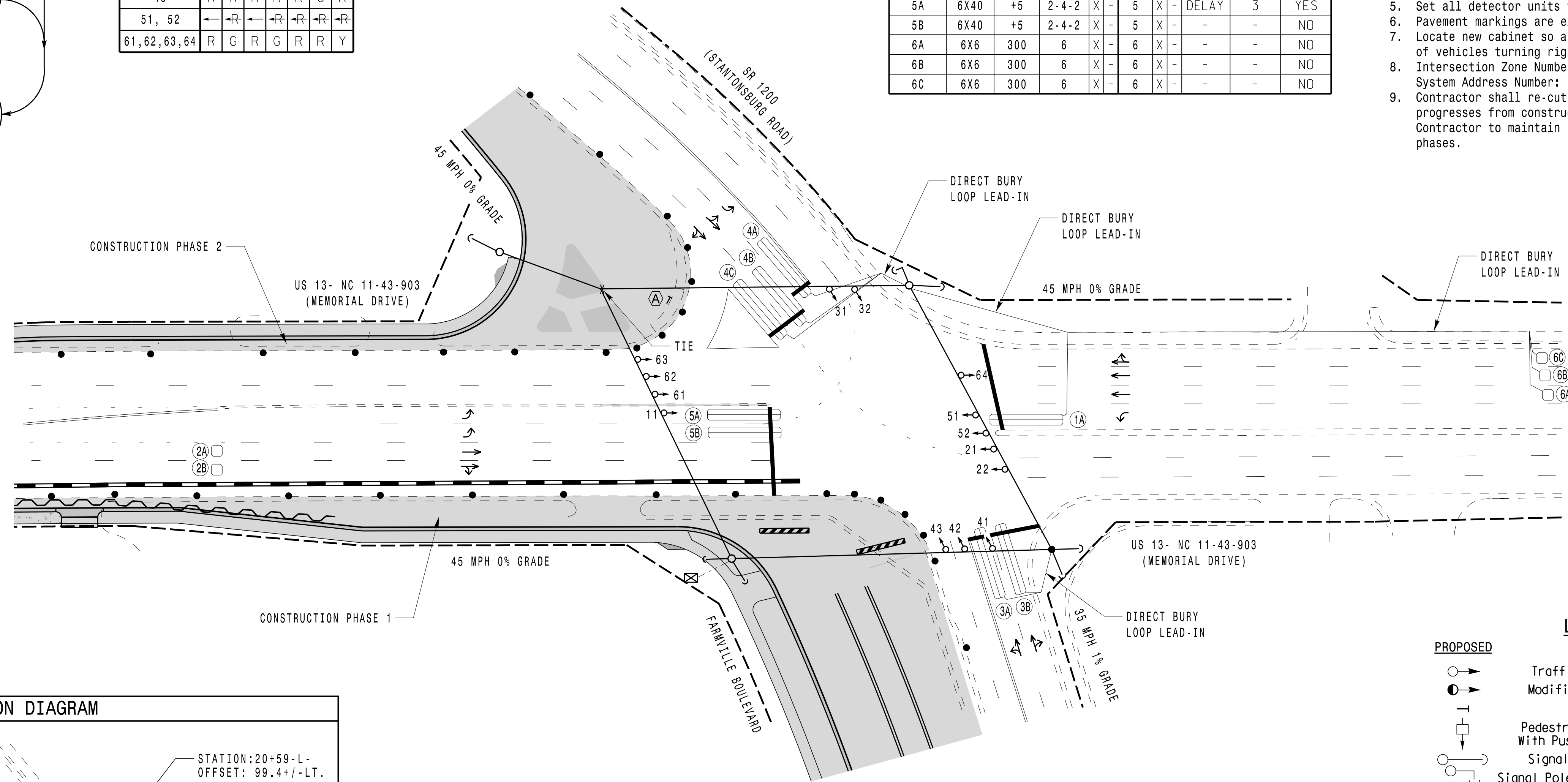
NEMA LOOP & DETECTOR INSTALLATION CHART
with TS-2 CABINET

LOOP NO.	SIZE (ft)	DIST. FROM STOPBAR (ft)	TURNS	NEW	EXISTING	DETECTOR UNITS				
						NEMA PHASE	NEW	EXISTING	TIMING	INHIBIT DELAY DURING GREEN?
1A	6X40	+5	2-4-2	X	-	1	X	-	-	NO
2A	6X6	300	4	X	-	2	X	-	-	NO
2B	6X6	300	4	X	-	2	X	-	-	NO
3A	6X40	+5	2-4-2	X	-	3	X	-	DELAY 3	YES
3B	6X40	+5	2-4-2	X	-	3	X	-	DELAY 10	YES
4A	6X40	+5	2-4-2	X	-	4	X	-	DELAY 3	YES
4B	6X40	+5	2-4-2	X	-	4	X	-	-	NO
4C	6X40	+5	2-4-2	X	-	4	X	-	-	NO
5A	6X40	+5	2-4-2	X	-	5	X	-	DELAY 3	YES
5B	6X40	+5	2-4-2	X	-	5	X	-	-	NO
6A	6X6	300	6	X	-	6	X	-	-	NO
6B	6X6	300	6	X	-	6	X	-	-	NO
6C	6X6	300	6	X	-	6	X	-	-	NO

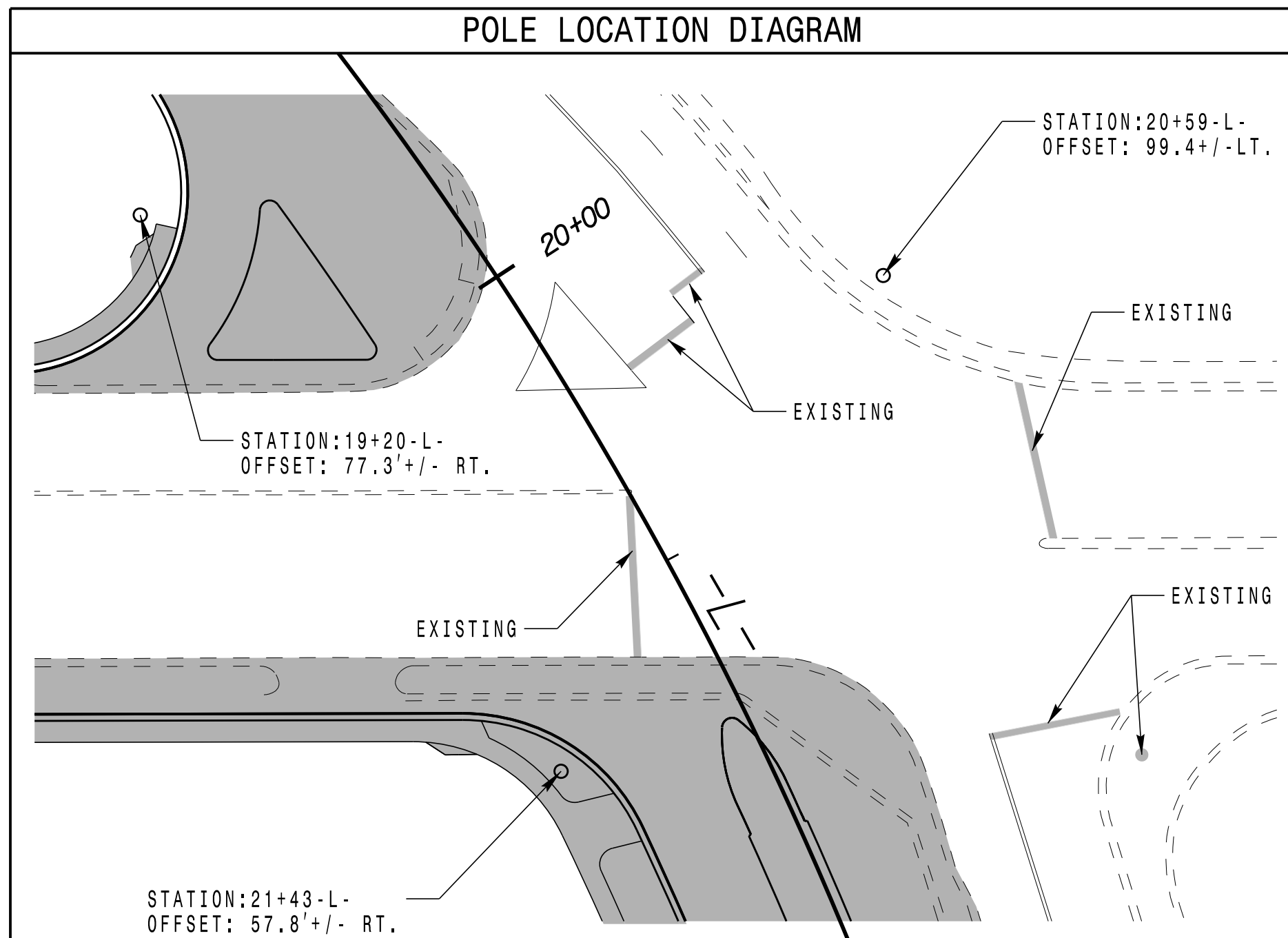
6 PHASE FULLY ACTUATED (GREENVILLE CITY SYSTEM)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2012 and "Standard Specifications for Roads and Structures" dated January 2012.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or phase 5 may be lagged.
- The order of phase 3 and phase 4 may be reversed.
- Set all detector units to presence mode.
- Pavement markings are existing.
- Locate new cabinet so as not to obstruct sight distance of vehicles turning right on red.
- Intersection Zone Number: 11
System Address Number: 53
- Contractor shall re-cut loops 2A, 2B and 2C as construction progresses from construction phase 1 to construction phase 2. Contractor to maintain loops during all construction phases.



POLE LOCATION DIAGRAM



ASC3 NEMA TIMING CHART

FEATURE	PHASE					
	01	02	03	04	05	06
MINIMUM GREEN *	7 SEC.	12 SEC.	7 SEC.	7 SEC.	7 SEC.	12 SEC.
PASSAGE GAP *	2.0 SEC.	6.0 SEC.	2.0 SEC.	2.0 SEC.	2.0 SEC.	6.0 SEC.
YELLOW CHANGE INT.	3.0 SEC.	4.5 SEC.	3.8 SEC.	4.5 SEC.	3.0 SEC.	4.5 SEC.
RED CLEARANCE	2.1 SEC.	1.8 SEC.	2.9 SEC.	2.2 SEC.	2.8 SEC.	1.9 SEC.
MAXIMUM 1*	30 SEC.	90 SEC.	45 SEC.	30 SEC.	30 SEC.	90 SEC.
RECALL POSITION	NONE	MIN. RECALL	NONE	NONE	NONE	MIN. RECALL
VEHICLE CALL MEMORY	NONLOCK	LOCK	NONLOCK	NONLOCK	NONLOCK	LOCK
WALK *	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
FLASHING DON'T WALK	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.	- SEC.
VOLUME DENSITY	OFF	ON	OFF	OFF	OFF	ON
ACTUATION B4 ADD *	- VEH.	0 VEH.	- VEH.	- VEH.	- VEH.	0 VEH.
SEC. PER ACTUATION *	- SEC.	1.0 SEC.	- SEC.	- SEC.	- SEC.	1.0 SEC.
MAX. INITIAL *	- SEC.	34 SEC.	- SEC.	- SEC.	- SEC.	34 SEC.
TIME B4 REDUCTION *	- SEC.	15 SEC.	- SEC.	- SEC.	- SEC.	15 SEC.
TIME TO REDUCE *	- SEC.	45 SEC.	- SEC.	- SEC.	- SEC.	45 SEC.
MINIMUM GAP	- SEC.	3.0 SEC.	- SEC.	- SEC.	- SEC.	3.0 SEC.

* These values may be field adjusted. Do not adjust Min Green and Extension times for phases 2 and 6 lower than what is shown. Min Green for all other phases should not be lower than 4 seconds.

LEGEND

- | | | | |
|--|---|--|------------------------------|
| | PROPOSED Traffic Signal Head | | EXISTING Traffic Signal Head |
| | PROPOSED Modified Signal Head | | EXISTING N/A |
| | PROPOSED Sign | | EXISTING N/A |
| | PROPOSED Pedestrian Signal Head With Push Button & Sign | | EXISTING N/A |
| | PROPOSED Signal Pole with Guy | | EXISTING N/A |
| | PROPOSED Signal Pole with Sidewalk Guy | | EXISTING N/A |
| | PROPOSED Inductive Loop Detector | | EXISTING N/A |
| | PROPOSED Controller & Cabinet | | EXISTING N/A |
| | PROPOSED Junction Box | | EXISTING N/A |
| | PROPOSED 2-in Underground Conduit | | EXISTING N/A |
| | PROPOSED Right of Way | | EXISTING N/A |
| | PROPOSED Directional Arrow | | EXISTING N/A |
| | PROPOSED Directional Drill | | EXISTING N/A |
| | PROPOSED "YIELD" Sign (R1-2) | | EXISTING N/A |
| | PROPOSED Construction Zone | | EXISTING N/A |
| | PROPOSED Construction Zone Drums | | EXISTING N/A |

TEMPORARY DESIGN 1 - TMP PHASE 1

PLANS PREPARED IN THE OFFICE OF:
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Prepared For:
TRANSPORENT MOBILITY AND SAFETY DIVISION
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
Signal Design Section
750 N. Greenfield Pkwy, Garner, NC 27529
SCALE: 1"=40'

US 13- NC 11-43-903 (MEMORIAL DRIVE)
AT
SR 1200 (STANTONSBURG ROAD) /
FARMVILLE BOULEVARD
DIVISION 2 PITT COUNTY GREENVILLE
PLAN DATE: JUNE 2014 REVIEWED BY: SL PHILLIPS
PREPARED BY: SP PENNINGTON REVIEWED BY:
REVISIONS: INIT. DATE

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 032607
ENGINEER
STACIE L. PHILLIPS
9/2/2014
SIGNED: Stacie Phillips
SIGNATURE DATE
SIG. INVENTORY NO. 02-0053T1